

ENGINEERING CHANGE NOTICE **DART AEROSPACE LTD**

Date: 07.10.31	Job No.: 594/664/667/748	ADR Yes/No: Y	ADR Date: 07.10.31	ECN #: 1054
Product No.: VARIOUS		Created By: [Signature]	Approved By: [Signature]	
Product Name: CROSSTUBES		Checked By: [Signature]	General Manager Approval:	

Distribution	Reqd	Resp	Received	Distribution	Reqd	Resp	Received
Production Manager	Y	LL	[Signature]	Customer Technical Support	Y	Dstow	[Signature] 07.11.07
Production Engineering Coord	Y	EC/DD	[Signature]	Marketing	Y	SW	[Signature] 07.11.02
Director Quality Assurance	Y	SS/DT	[Signature] 07.11.02				
Customer Order Processing	N						

Reason for Change:

DSI 9326 REV. B: ADDED D350-748-101/-201 AND UPDATE ARMOR SHIELD TO "BCG4". DSI 9346 REV. F: 2 ADDED B/Ns.

Documents Affected:

RELEASE DSI 9326 REV. B AND DSI 9346 REV. F

#	Engineering Actions	Reqd	Resp	Notes	Complete
1	Required Documents/Drawings Under Review	N			
2	Update Blue/Pink/BSI Folder and Electronic Files	Y	KJ	ONLY DSI 9326	07.11.02 [Signature]
3	Update D-Part/M-Drawing/DSI/DEO Master Binders	Y	KJ		07.11.01 [Signature]
4	Update Grey Project Binder	Y	MB/KJ		07.11.01 [Signature]
5	Move Electronic Files	Y	KJ		07.11.01 [Signature]
6	Update Master Document List (MDL) D/E/F/D	Y	KJ	594/664/667/748 & 667(DSI 9346)	07.11.01 [Signature]
7	Update Document Record (DR) H/L/M/E	Y	KJ	594/664/667/748 & 667(DSI 9346)	07.11.01 [Signature]
8	Create/Update Change Record Form	Y	KJ	UPDATE PER LAST COLUMN OF DSI 9326 REV. B	07.11.01 [Signature]
9	Create/Update PPP's	Y	KJ		07.11.02 [Signature]
10	Update Controlled PDF Files	Y	KJ		07.11.02 [Signature]
11	Notify TC/FAA of Change	N			
12	Update QSI 021 and/or STC Approval List	N			
13	Update Product Development Summary	N			
14	Update Accpac Database	Y	KJ	ADD P/N SHOWN IN ITEM 1	07.11.01 [Signature]
15	Update Access (ARC) Database	Y	KJ	SEE ITEM 1 BELOW.	07.11.01 [Signature]
16	Update/Verify ARC	Y	KJ		07.11.01 [Signature]
17	Update Paperwork Kits in Production	Y	KJ	SEE ITEM 2 BELOW.	NONE IN PROD. [Signature]
18	Update Qpulse/Laminated Dwgs	N			
19	Update Product Compatability Matrix	N			
20	Create Eurocopter Form (FEE)	N			
21					

#	Production Actions	Reqd	Resp	Notes	Complete
22	Create/Update Coss IPP/BOM	Y	EC/DD	UPDATE ESTIMATES I.A.W. DSI 9326 REV. B	[Signature] 07.11.06
23	Update FAI Sheets	N			
24	Create/Update CNC Programs	N			
25	Create/Update Tooling	N			
26	Red Tag Stock (Specify)	N			
27	Rework/Scrap Current Production and/or Stock	N		ARMOR SHIELDED X-TUBES ARE OK AS IS.	
28	Update Paperwork Kits in Stock	Y	[Signature]	SEE ITEM 3 BELOW.	07.11.30 [Signature] LL
29	Create/Update MPP	N			W/O 35516
30					

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
31	Notify Previous Customers	Y	Dstow	SEE ITEM 4 BELOW.	N/A [Signature] 08.01.17
32	Notify Eurocopter France	N			
33					

Description / Action:

- 1) CREATE ARC FOR D350-748-101A/-201A AND D412-664-105A/-205A - CHG 001 FOR ALL 4 PARTS.
- 2) UPDATE ONLY IF CROSSTUBE IS TO BE COATED WITH NEW BCG4.
- 3) ATTACH A COPY OF DSI 9346 REV. F TO X-TUBES B/Ns 34139 AND 34144.
- 4) SEND COPIES OF DSI 9326 REV. B TO CUSTOMER WHO HAVE PURCHASED D350-748-101/-201 X-TUBES B/Ns 35409 AND 35410

DART SERVICE INSTRUCTION

To further protect Dart crosstubes from mechanical damage in service, they may be treated with "Armor Shield" surface treatment. To designate crosstubes with 'Armor Shield' add 'A' to the Part Number. For example, D206-667-101A is a D206-667-101 crosstube coated with Armor Shield. The Change Number of Dart crosstubes with "Armor Shield" is affected as per above table. It is acceptable to apply the Armor Shield in regions shown in Figure 1 or Figure 2 only. It is **NOT** acceptable to apply Armor Shield in the cuff and support/clamp regions.

INSTALLATION	STC		CHANGE NUMBER	
	CANADIAN	FAA	DSI 9326 REV. A (Proform PF746/746-1 Treatment)	DSI 9326 REV. B (BCG4 Treatment)
D205-596-101A/-103A/-105A/-107A	SH03-6 ISSUE 3	SR01742NY	CHG 001	CHG 002 (or later)
D212-664-101A/-201A/ D412-664-203A/ D412-664-105A/-205A	SH01-9 ISSUE 3	SR01298NY	CHG 002 (or earlier) CHG 004 (or earlier) N/A	CHG 003 (or later) CHG 005 (or later) CHG 001 (or later)
D206-667-101A/-103A/-201A/-203A/ D407-667-105A/-205A/-2-3	SH01-5 ISSUE 3	SR01304NY	CHG 001 CHG 002 (or earlier)	CHG 002 (or later) CHG 003 (or later)
D058-676-101A/-201A	N/A	SR01018SE	CHG 001	CHG 002 (or later)
D350-748-101A/-201A	SH06-27 ISSUE 1	SR02359NY	N/A	CHG 001 (or later)

1.0 TO APPLY ARMOR SHIELD

- 1.1 Ensure the crosstube is appropriately finished in accordance with the relevant manufacturing drawing or Instruction for Continued Airworthiness (ICA).
- 1.2 Clean/degrease surface of crosstube using Methyl Ethyl Ketone (MEK), 4105S Wash'n'Wipe Degreaser, or equivalent and wipe the surface to clean the entire area
- 1.3 Mask areas around supports and cuffs per Figure 1 or Figure 2 (D350-748-101/-201 only). Abrade paint finish in areas requiring protection using 800 grit sandpaper. Ensure the surface is de-glossed.
- 1.4 Re-clean the surface per Step 1.2.
- 1.5 Mix BCG4 Component A and BCG4 Component B in accordance with manufacturer's instructions.
- 1.6 Apply 5 wet coats in accordance with manufacturer's instructions.
- 1.7 To avoid hard tape line, unmask immediately after application of last coat.
- 1.8 Allow BCG4 to dry in accordance with manufacturer's instructions.

REFERENCE ONLY

2.0 ARMOR SHIELD REMOVAL / RE-APPLICATION

To remove the Armor Shield coating or if damage to the coating and/or crosstube is observed during inspection.

- 2.1 Remove Armor Shield from the affected area using 80 grit sandpaper. To remove Armor Shield from larger areas, bead blasting has been determined to be the most effective technique.
- 2.2 Repair mechanical damage (within limits) to the crosstube and touch up finish in accordance with the relevant ICA.
- 2.3 Apply Armor Shield in accordance with Section 1.0 of these instructions.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED
BY: [Signature]
D. SHEPHERD (DE # 02)
DATE: 07.10.17
CERT. NO.: SEE TABLE
ISSUE NO.: SEE TABLE

B	BCG4 REPLACES DISCONTINUED PROFORM PF 746 OR PF 746-1; ADD D350-748-101/-201	MB	07.10.17
A	NEW ISSUE	PH	06.02.14
REV.	DESCRIPTION	BY	DATE
DESIGN	<u>PH</u>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	<u>[Signature]</u>		
CHECKED	<u>PH</u>	DRAWING NO. REV. B	
MFG. APPR.	<u>[Signature]</u>	DSI 9326 SHEET 1 OF 2	
APPROVED	<u>[Signature]</u>	TITLE SCALE	
DE APPR.	<u>[Signature]</u>	ARMOR SHIELD NTS	
DATE	<u>07.10.17</u>	<small>COPYRIGHT © 2006 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

ENGINEERING CHANGE NOTICE

DART AEROSPACE LTD

MPP

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Product Name: CROSSTUBES		Checked By: [Signature]	General Manager Approval:	

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Production Engineering Coord	Y	EC/DD	
Director Quality Assurance	Y	SS/DT	
Customer Order Processing	N		

Distribution	Reqd	Resp	Received
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Marketing	Y	SW	

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27	Rework/Scrap Current Production and/or Stock	N		ARMOR SHIELDED X-TUBES ARE OK AS IS.	
28	Update Paperwork Kits in Stock	Y	JM	SEE ITEM 3 BELOW.	07.11.30 w/035516
29	Create/Update MPP	N			
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#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
31	Notify Previous Customers	Y	Dstow	SEE ITEM 4 BELOW.	
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